

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-14. (Canceled)

15. (Currently Amended) A method of treating injured brain or spinal cord cells comprising the steps of: transplanting cultured bone marrow cells into a central nervous tissue near the injured brain or spinal cord cells, wherein the cells are transplanted by way of intravascular injection, and The method of claim 3, wherein the location of intravascular injection is intraarterial, thereby generating new neurons at the location of transplantation of the bone marrow cells.

16. (Currently Amended) A method of treating injured brain or spinal cord cells comprising the steps of: transplanting cultured bone marrow cells into a central nervous tissue near the injured brain or spinal cord cells, wherein the cells are transplanted by way of intravascular injection, and The method of claim 3, wherein the location of intravascular injection is intravenous, thereby generating new neurons at the location of transplantation of the bone marrow cells.